IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	Atty. Docket: SHINITZKY7
In re Application of:) Confirmation No.:
M. Shinitzky et al.) Art Unit:
IA No: PCT/IL03/00218) Examiner:
IA Filed: March 13, 2003)
Appln. No.: 10/507,489) Washington, D.C.
For: DERIVATIVES OF 1,3-CYCLIC PROPANDIOL PHOSPHATE) September 14, 2005

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents U.S. Patent and Trademark Office Customer Service Window Randolph Building, Mail Stop Amendment 401 Dulany Street Alexandria, VA 22314

Sir:

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

- [X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed:
- [] A. within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- [X] B. before the mailing date of a first office action on the merits or before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 CFR §1.114; or

In re Appln. No. 10/507,489

- [X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form BN/SB/08A/B) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. Other than U.S. patent(s) and/or published U.S. application(s), which 37 CFR §1.98(a)(2)(ii) does not require to be filed unless specifically required by the Office, a copy of each document listed is attached.
- [X] 3. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).
- [X] 4. Other information being provided for the examiner's consideration follows:

INTERNATIONAL SEARCH REPORT

5. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

BROWDY AND NEIMARK

Attorneys for Applicant(s)

By:

Sheridan Neimark

Registration No. 20,520

SN:srd

624 Ninth Street, N.W., Suite 300

Washington, D.C. 20001-5303

Telephone: (202)628-5197 Facsimile: (202)737-3528

G:\BN\C\cohn\SHINITZKY7\PTO\IDS 14 SEP 05.doc

Complete if Known Substitute for form 1449A/PTO 10/507,489 **Application Number** INFORMATION DISCLOSURE March 13, 2003 IA Filing Date STATEMENT BY APPLICANT Meir SHINITZKY, et al. First Named Inventor Group Art Unit (use as many sheets as necessary) **Examiner Name** Sheet **Attorney Docket Number** SHINITZKY=7

			U.S. PAT	ENT DOCUMENTS	
Examiner nitials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			-
		US-			
		US-	İ		

		FOREIC	ON PATENT DO	CUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Number Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee of Applicant	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	٦
inuais		WO 0057865 A3	10-05-2000	YEDA RESEARCH AND DEVELOPMENT CO. LTD.		
		Ł				

Examiner	Date	
Signature	Considered	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

Cub atituda fa	form 4.440A/DTO			Complete if Known		
Substitute to	or form 1449A/PTO			Application Number	10/507,489	
INFO	RMATION DI	SC	LOSURE	IA Filing Date	March 13, 2003	
STATEMENT BY APPLICANT			PLICANT	First Named Inventor	Meir SHINITZKY, et al.	
0.,,,				Group Art Unit		
	(use as many sheets	as n	ecessary)	Examiner Name		
Sheet	2	of	4	Attorney Docket Number	SHINITZKY=7	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
	AB	AYRES, D. C., et al., "The Organic Chemistry of Phosphorus. Part V. The Ester-interchange Reaction between Triphenyl Phosphite and Glycols", (1957), pages 1109-1114, XP-000946300	
	AC	BARAN, J. S., et al., "Displacement Reactions of Cyclic Sulfites and Phosphates by Salts of Weak Acids Applicable too the Synthesis of Phospholipids and Other Natural Substances", Journal of Organic Chemistry, (1977), pages 2260-2264, Vol. 42, No. 13, XP-002244442	
	AD	BOYD, R. K., et al., "Glycerol 1,2-Cyclic Phosphate in Centric Diatoms", The Journal of Biological Chemistry, (1987), pages 12406-12408, Vol. 262	
	AE	BUCHNEA, D., "Synthesis of sn-Glycerol-Cyclic-Phosphodiester Isomers ^{1,2} , Lipids, (1973),pages 289-294, Vol. 8, No. 5, XP-009011040	
	AF	CLARKE, N., et al., "Enzymic Formation of Glycerol 1:2-Cyclic Phosphate", Biochemical Journal, (1976), pages 745-747, Vol. 153	
	AG	CLARKE, Neville G., et al., "Alkaline O→N-transacylation", Biochemical Journal, (1981), pages 301-306, Vol. 195, No. 1, XP-001021068	
	АН	DAWSON, R. M. C., "Advances In Phosphoglyceride Chemistry", Ann. Rept. Progr. Chem., (1958), pages 365, Vol. 55	
	Al	DAWSON, R. M. C., et al., "The Enzymatic Formation of <i>myoinositol</i> 1:2-Cyclic Phosphate form Phosphatidylinositol", Biochemistry Journal, (1971), pages 605-607, Vol. 122	
	AJ	DENNEY, D. B., et al., "Preparation And Chemistry of 2,6,7-Trioxa-1-Phosphabicyclo[2,2,1]Heptane", Phosphorus And The Related Group V Elements, (1973), pages 245-248, Vol. 2, Nos. 5-6, XP-001157410	
	AK	FORREST, H. S., et al., "Nucleotides Part V - Part VI", Journal of the Chemical Society, (1950), pages 3295-3299	
	AL	FRIEDMAN, P., et al., "Conversion of Lysophospholipids to Cyclic Lysophosphatidic Acid by Phospholipase D", The Journal of Biological Chemistry, (1996), pages 953-957, Vol. 271	
	АМ	GERLT, John A., "Conformational Properties of 5-Alkoxy and 5-Alkyl Substituted Trimethylene Phosphates In Solution", Journal of the American Chemistry Society, , (February 27, 1980), pages 1665-1670, Vol. 102, No. 5, XP-002244439	

Examiner	Date	
Signature	Considered	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute f	or form 1449A/PTO			Complete if Known		
CGDGGGGG.	o			Application Number	10/507,489	
INFO	RMATION DI	SC	LOSURE	IA Filing Date	March 13, 2003	
STAT	EMENT BY	ΔP	PLICANT	First Named Inventor	Meir SHINITZKY, et al.	
•		••		Group Art Unit		
	(use as many sheets	as n	ecessary)	Examiner Name		
Sheet	3	of	4	Attorney Docket Number	SHINITZKY=7	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
	AN	GERLT, John A., "Crystal and Molecular Structure of 5-Ethoxytrimethylenephosphoric Acid", Journal of Organic Chemistry, (1980), Vol. 45, No. 7, pages 1282-1286, XP-0022244441	-
	AO	GERLT, John A., "Thermochemical Identification of the Structural Factors Responsible for the Thermodynamic Instability of 3',5'-Cyclic Nucleotides", Journal of the American Chemistry Society, (February 27, 1980), pages 1655-1660, Vol. 102, No. 5, XP-002244440	
	AP	HAMOR, T. A., "Structure of 5-Hydroxy-2-methoxy-1,3,2λ⁵-dioxaphosphacyclohexane 2-Oxide", Acta. Cryst., (1986), pages 1462-1463, C42	
	AQ	JONES, A. S., et al., "The Structure of Two Isomeric 1,3,2-Dioxaphophorinanes", Journal of Organic Chemistry, (April 11, 1986), pages 4310-4311, Vol. 51, No. 22, XP-002244437	
	AR	KENNEDY, E,. et al., "The function of Cytidine Coenzymes in the Biosynthesis of Phospholipides" The Journal of Biological Chemistry, (1956), pages 193-213, Vol. 222	
	AS	KUROKAWA, H., et al., "Inhibition of HER2/neu (erbB-2) and Mitogen-activated Protein Kinases Enhances Tamoxifen Action Against HER2-overexpressing, Tamoxifen-resistant Breast Cancer Cells", Cancer Research, (October 15, 2000), pages 5887-5894, Vol. 60	
	АТ	LAVEY, B. J., et al., "Antibody Catalyzed Hydrolysis of A Phosphotriester", Journal Bioorganic & Medicinal Chemistry Letters, (1996), pages 1523-1524, Vol. 6, No. 13	
	AU	LAVEY, B. J., et al., "Catalytic Antibody Mediated Hydrolysis of Paraoxon", Journal of Organic Chemistry, (1996), pages 7633-7363, Vol. 61, No. 21, XP-002244436	
	AV	LELOIR, L. F., "The Enzymatic Transformation of Uridine Diphosphate Glucose into a Galactose Derivative", Biochemistry Biophysics Journal, (1951), pages 186-190, Vol. 33	
	AW	MARKHAM, R., et al., "The Structure of Ribonucleic Acids"; Biochemistry Journal, (1952), pages 552-557, Vol. 52	
	AX	PENNEY, C.L., et al., "Phenyl Phosphorodichloridate in the Synthesis of Cyclic Phosphate Diasters of Biological Interest", Canadian Journal of Chemistry, (1978), pages 2396-2404, Vol. 56, No. 18, XP-000949271	
		SHINITZKY, M., et al., "Formation of 1,3-Cyclic Glycerophosphate by the Action of Phospholipase C on Phosphatidylglycerol", The Journal of Biological Chemistry, (1993), pages 14109-14115, Vol. 268 XP-000946147	

	<u> </u>	
Examiner	Date	
Signature	Considered	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Complete if Known Substitute for form 1449A/PTO 10/507,489 Application Number INFORMATION DISCLOSURE March 13, 2003 IA Filing Date STATEMENT BY APPLICANT Meir SHINITZKY, et al. First Named Inventor Group Art Unit (use as many sheets as necessary) **Examiner Name** Sheet **Attorney Docket Number** SHINITZKY=7

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	1			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²			
	AZ	SHINITZKY, M., et al., "Induction of Intracellular Signalling by Cyclic Glycerophosphates and Their Deoxy Analogues", European Journal of Biochemistry, (2000), pages 2547-2554, Vol. 267 XP-000965121				
	ВА	SNEDEKER, S., et al., "Hormonal and Environmental Factors Affecting Cell Proliferation Neoplasia in the Mammary Gland", Prog. Clin. Biol. Res., (1996), pages 211-253, Vol. 394				
	ВВ	SU, B. et al., "Identification of a Putative Tumor Marker in Breast and Colon Cancer", Cancer Research, (April 15, 1993), pages 1751-1754, Vol. 53, XP-000946184				
	ВС	SUTHERLAND, J. A., et al., "Differentiation of K562 Leukemia Cells Along Erythroid, Macrophages, and Megakaryocyte Lineages", The Journal of Biological Response Modifiers, (1986), pages 250-262, Vol. 5				
	BD	UKITA, T., et al., "Phosphates I. Synthesis of 1,2-Diol Cyclic Phosphates", Pharmaceutical Bulletin, Pharmaceutical Society of Japan, (1957), pages 121-126Vol. 5, No. 2, XP-000949388				
	BE	UKITA, T., et al., "Studies On the Alkaline Hydrolysis Of Lecithin: Synthesis of Cyclic 1,2-Glycerophosphate", (March 17, 1955), pages 867-874, Vol. 216				

Examiner	 Date	
Signature	Considered	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.